The application was originally made under the Patent Cooperation Treaty with the Russian Patent Office acting as the receiving office on (86) 30 May 1880, being given an epiphention number PCT/SU80/00084. The application was soarched by the Russian Patent Office acting as the International Soarch, Authority (ISA), and published by the International Bureau on (87) 5 Feb 1981 under serial number WO 81/00224 in the Russian language. The text of the application is contained in the publication made by the International Bureau as above identified, the accompanying text being an English translation thereof.

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the following ratio of the said (54) Self-hardening compound for (21) Application No 8100784 components in parts by weight: making casting moulds and cores (22) Date of filing 30 May 1980 (30) Priority data (31) 2783403 orthophosphoric acid (32) 19 Jul 1979 (57) A self-hardening compound for (33) Soviet Union (SU) the said magnesia-spinellidmaking casting moulds and cores (43) Date of issue type compound containing a refractory filler, 9 Sep 1981 orthophosphoric acid, a magnesia-(51) INT CL3 spinellid-type compound roasted at a water (As given by ISA) temperature of 1600 to 1900°C B22C 1/18 C04B 35/04 during 40 to 1600 hours, and water at refractory filler (52) Domestic classification C3N 25 25D1C 25F1 25F2 25F3 25F4 25FX 25G6 (56) Documents cited by ISA SU, A. 339090 JP, A, 52-23882 (58) Field of search by ISA INT CL B22c 1/00-1/20; C04b 35/04 INT CL2 B22c 1/00-1/20; C04b 35/04 German 80b 801-802; 80ь 8091 US 164-138; 164-41 GB 83(1)F; B3F FR Group 7, Class 2 AT 49f; 80C AU 70.2 CA 22; 261 (71) Applicants Nauchno-Proizvodstvennoe Obedinenie Po Tekchnologii Mashinostroeniya (Tsniitmash), Sharikopodshipnikovskaya, Ulitsa 4, Moscow, Soviet Union (72) Inventors

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